## JC10 Rec'd PCT/PTO 2 9 JAN 2002

|   | <u> </u>   |   |  |  |  |  |  |  |
|---|--|---|--|--|--|--|--|--|
| FORM PTO-1390<br>(REV 10-2000)  | U.S. DEPARTMENT OF COMMERCE PATE   | NT AND TRADEMARK OFFICE   | ATTORNEY'S DOCKET NUMBER                           |  |  |  |  |  |
|   |  | 34691/240549 U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) |  |  |  |  |  |  |
|   | TRANSMITTAL LETTER TO  |   | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) |  |  |  |  |  |
|   | DESIGNATED/ELECTED OFF<br>CONCERNING A FILING UNI  | 10/019,855  |  |  |  |  |  |  |
| INTERNATIONAL APPLICATION NO.   |  | INTERNATIONAL FILING DATE                                       | PRIORITY DATE CLAIMED                              |  |  |  |  |  |
| PCT/DE00/01467  |  | May 11, 2000  | May 11, 1999                                       |  |  |  |  |  |
| TITLE OF INVENTION  |  |   |  |  |  |  |  |  |
| DEVICE FOR INVESTIGATING MATERIALS  |  |   |  |  |  |  |  |  |
| APPLICANT(S) FOR DO/EO/US   |  |   |  |  |  |  |  |  |
| Frank Rinn  |  |   |  |  |  |  |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: |  |   |  |  |  |  |  |  |
| 1. This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.   |  |   |  |  |  |  |  |  |
| 2. 🖾  | This is a SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.  |   |  |  |  |  |  |  |
| 3.  | This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).   |   |  |  |  |  |  |  |
| 4. 🗆  | The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).  |   |  |  |  |  |  |  |
| <b>À</b> □  | A copy of the International Application as filed (35 U.S.C. 371(c)(2))   |   |  |  |  |  |  |  |
|   | a.  is attached hereto (required only if not communicated by the International Bureau). b.  has been communicated by the International Bureau.                                   |   |  |  |  |  |  |  |
|   | c. is not required, as   | the application was filed in the United S                       | tates Receiving Office (RO/US).                    |  |  |  |  |  |
| 6. 🗆  | A English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).  |   |  |  |  |  |  |  |
| 7.  | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))   |   |  |  |  |  |  |  |
|   |  | o (required only if not communicated by                         | the International Bureau).                         |  |  |  |  |  |
|   | <ul> <li>b.  have been communicated by the International Bureau.</li> <li>c.  have not been made; however, the time limit for making such amendments has NOT expired.</li> </ul> |   |  |  |  |  |  |  |
| 1   | d. have not been made  | de and will not be made.  |  |  |  |  |  |  |
| 8. 🗆  | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).  |   |  |  |  |  |  |  |
| 9. 🗆  | An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).   |   |  |  |  |  |  |  |
| 10. 🗆   | An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).                                   |   |  |  |  |  |  |  |
| Items 11. To 16. Below concern other document(s) or information included:   |  |   |  |  |  |  |  |  |
| 11. 🗆   | An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.   |   |  |  |  |  |  |  |
| 12.   | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.  |   |  |  |  |  |  |  |
| 13.   | A FIRST preliminary amendment.   |   |  |  |  |  |  |  |
|   | A SUBSEQUENT preliminary amendment.  |   |  |  |  |  |  |  |
| 14.   | A substitute specification.  |   |  |  |  |  |  |  |
| 15.   | A change of power of attorney and/or address letter.   |   |  |  |  |  |  |  |
| 16.   | Other items or information:  |   |  |  |  |  |  |  |

02/05/2002 NNGUYEN 00000009 10019855

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| 17. Me following fees are submitted:  Basic National Re (27 CEN 1492(pt) (55)):  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international preliminary examination fee (37 CFR 1.482) not paid to USPTO but international preliminary examination fee (37 CFR 1.482) not paid to USPTO but international preliminary examination fee (37 CFR 1.482) paid to USPTO  But all claims did not satisfy provisions of PCT Article 33(1) (4)  Benerational preliminary examination fee (37 CFR 1.482) paid to USPTO  But all claims did not satisfy provisions of PCT Article 33(1) (4)  Benerational preliminary examination fee (37 CFR 1.482) paid to USPTO  But all claims did not satisfy provisions of PCT Article 33(1) (4)  ENTER APPROPRIATE BASIC FEE AMOUNT  Such all claims satisfied provision of PCT Article 33(1) (4)  ENTER APPROPRIATE BASIC FEE AMOUNT  Such all claims satisfied provision of PCT Article 33(1) (4)  ENTER APPROPRIATE BASIC FEE AMOUNT  Such all claims satisfied provision of PCT Article 33(1) (4)  ENTER APPROPRIATE BASIC FEE AMOUNT  Such all claims satisfied provision of PCT Article 33(1) (4)  ENTER APPROPRIATE BASIC FEE AMOUNT  Such all claims satisfied provision of PCT Article 33(1) (4)  ENTER APPROPRIATE BASIC FEE AMOUNT  Such all claims satisfied provisions of PCT Article 33(1) (4)  ENTER APPROPRIATE BASIC FEE AMOUNT  Such all claims satisfied provisions of PCT Article 33(1) (4)  ENTER APPROPRIATE BASIC FEE AMOUNT  Such all claims satisfied provisions of PCT Article 33(1) (4)  ENTER APPROPRIATE BASIC FEE AMOUNT  Such all claims satisfied provisions of PCT Article 33(1) (4)  ENTER APPROPRIATE BASIC FEE AMOUNT  Such all claims satisfied provisions of PCT Article 33(1) (4)  ENTER APPROPRIATE BASIC FEE AMOUNT  Such all claims satisfied provisions of PCT Article 34(1) (4)  ENTER APPR  | U.S. APPLICATION NO. (If known, see<br>10/019,855  | 37 C.F.R. 1.50)   | INTERNATIONAL APPLIC<br>.PCT/DE00/01467 | ATION NO.                 | ATTORNEY'S DOCKET NUMBER<br>34691/240549 |   |  |  |  |
|--|--|---|---|---------------------------|--|---|--|--|--|
| Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and international search Report not prepared by the EPO or IPO  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International preliminary examination fee (37 CFR 1.482) not paid to USPTO  International preliminary examination fee (37 CFR 1.482) not paid to USPTO  International preliminary examination fee (37 CFR 1.482) not paid to USPTO  But all claims did not statisty provisions of PCT Article 33(1):(4)  International preliminary examination fee (37 CFR 1.482) paid to USPTO  But all claims did not statisty provisions of PCT Article 33(1):(4)  International preliminary examination fee (37 CFR 1.482) paid to USPTO  But all claims did not statisty provisions of PCT Article 33(1):(4)  ENTER APPROPRIATE BASIC FEE AMOUNT  ENTER APPROPRIATE BASIC FEE AMOUNT  Such all claims statistical priority date (37 CFR 1.492(e)).  EVALUATION SUMMER FILED  NUMBER FILED  NUM  | 17.   The following fees are   | submitted:  | CALCULATIONS                            | PTO USE ONLY              |  |   |  |  |  |
| International Search Report prepared by the EPO or JPO  International preliminary examination fee (37 CFR 1.482) paid to USPTO But all claims did not satisfy provisions of PCT Article 33(1)-(4)  International preliminary examination fee (37 CFR 1.482) paid to USPTO But all claims did not satisfy provisions of PCT Article 33(1)-(4)  International preliminary examination fee (37 CFR 1.482) paid to USPTO But all claims did not satisfy provisions of PCT Article 33(1)-(4)  ENTER APPROPRIATE BASIC FEE AMOUNT  CLAIMS  NUMBER FILED  NUMBER FILED  NUMBER EXTRA  RATE  CLAIMS  NUMBER FILED  NUMBER EXTRA  RATE  Stal Claims  24 20 = 4  A S\$84.00  NULTIPLE DEPENDENT CLAIM(S) (if applicable)  AS\$84.00  NULTIPLE DEPENDENT CLAIM(S) (if applicable)  Applicant claims small entity status. Sec 37 CFR 1.27. The fees indicated above are reduced by one-half  SUBTOTAL = \$36.00  Processing fee of \$130.00 for furnishing the English translation later tham 20 30 months from the carliest claimed priority date (37 CFR 1.492(f)).  TOTAL FABOVE CALCULATIONS = \$72.00  SA6.00  SUBTOTAL = \$36.00  Processing fee of \$130.00 for furnishing the English translation later tham 20 30 months from the carliest claimed priority date (37 CFR 1.492(f)).  TOTAL NATIONAL FEE = \$36.00  FEE for recording the enclosed assignment (37 CFR 1.210)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$  TOTAL NATIONAL FEE = \$36.00  Please charge my Deposit Account No. 16-6005 in the amount of \$26.00 to cover the above fees.  A duplicate copy of this sheet is enclosed.  By an appropriate time limit under 37 CFR 1.494 or 1.495 has not been mot, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.  FEAD ALL CORRESPONDENCE TO: Charlete, NC 26280-4000  The Commissioner is hereby authorized to charge any additional fees which may be required, or c                                     | Basic National Fee (37 CFR<br>Neither international prelimin<br>search fee (37 CFR 1.445(a)(2                                      | 1.492(a)(1)-(5)):<br>ary examination fee (37<br>2)) paid to USPTO and |   |                           |  |   |  |  |  |
| but international search (37CFR 1.445(a)(2)) paid to USPTO International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims did not satisfy provisions of PCT Article 33(1)-(4)  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)  INTER APPROPRIATE BASIC FEE AMOUNT  Surcharge of \$130.00 for furnishing the oath or declaration later than □ 20 □ 30 months from the earliest claimed priority date (37 CFR 1.492(e))  CLAIMS  NUMBER FILED  NUMBER EXTRA  RATE  TOTAL OF ABOVE CALCULATIONS = \$72.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable)  TOTAL OF ABOVE CALCULATIONS = \$72.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by one-half.  SUBTOTAL = \$36.00  Processing fee of \$130.00 for furnishing the English translation later than □ 20 □ 30  months from the earliest claimed priority date (37 CFR 1.492(f)).  TOTAL NATIONAL FEE = \$36.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 340.00 per property  TOTAL FEES ENCLOSED = \$36.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 340.00 per property  TOTAL FEES ENCLOSED = \$36.00  Acquain to be Refunded \$ Charged \$  Please charge my Deposit Account No. 16-6605 in the amount of \$36.00 to cover the above fees.  A duplicate cloop of this sheet is enclosed.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-6605 in the amount of \$36.00 to cover the above fees.  A duplicate cloop of this sheet is enclosed.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpay                                      |  |   |   |                           |  |   |  |  |  |
| International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$ 100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$ \$ Surcharge of \$130.00 for furnishing the oath or declaration later than □ 20 □ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS   NUMBER FILED   NUMBER EXTRA   RATE   Thal Claims   24 20 = 4   |  |   |   |                           |  |   |  |  |  |
| And all claims satisfied provisions of PCT Article 33(1)-(4) \$ \$ 100.00 \$ ENTER APPROPRIATE BASIC FEE AMOUNT = \$ \$ Surcharge of \$130.00 for furnishing the eath or declaration later than \$ 20 \$ 30 months from the earliest claimed priority date (37 CFR 1.492(e)). \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  | International preliminary exar<br>But all claims did not satisfy p   | nination fee (37 CFR 1.<br>provisions of PCT Artic                    |   |                           |  |   |  |  |  |
| Surcharge of \$130.00 for furnishing the oath or declaration later than  |  | •   |   |                           |  |   |  |  |  |
| from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS  NUMBER FILED  NUMBER FILED  NUMBER EXTRA  RATE   |  |   |   |                           | \$                                       |   |  |  |  |
| Total Claims    24   20  |  |   | \$                                      |                           |  |   |  |  |  |
| Independent Claims    1  | CLAIMS   | NUMBER FILED  | NUMBER EXTRA                            |                           |  |   |  |  |  |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  TOTAL OF ABOVE CALCULATIONS = \$72.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by one-half.  SUBTOTAL = \$36.00  Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$  TOTAL NATIONAL FEE = \$36.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$  TOTAL FEES ENCLOSED = \$36.00  Amount to be Refunded \$  Amount to be Refunded \$  Charged \$  SUBTOTAL FEES ENCLOSED = \$36.00  TOTAL FEES ENCLOSED = \$36.00  Amount to be Refunded \$  Charged \$  SUBTOTAL FEES ENCLOSED = \$36.00  TOTAL PROPERTY TO TOT | Total Claims   |   |   |                           |  |   |  |  |  |
| TOTAL OF ABOVE CALCULATIONS = \$72.00    Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by one-half.    SUBTOTAL = \$36.00  |  | L   | 0                                       |                           | <del></del>                              |   |  |  |  |
| Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by one-half.    SUBTOTAL = \$36.00   | MULTIPLE DEPENDENT CL  |   |   | L                         | <del></del>                              |   |  |  |  |
| Sabon   Sabo   |  |   |   |                           | \$ 72.00                                 |   |  |  |  |
| SUBTOTAL = \$36.00  Processing fee of \$130.00 for furnishing the English translation later than  20  30  months from the earliest claimed priority date (37 CFR 1.492(f)).  |  | entity status. See 37   | CFR 1.27. The fees                      | indicated above are       | 0.00                                     |   |  |  |  |
| Processing fee of \$130.00 for furnishing the English translation later than   | reduced by one-half.   |   |   |                           |  |   |  |  |  |
| months from the earliest claimed priority date (37 CFR 1.492(f)).  TOTAL NATIONAL FEE = \$36.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$  TOTAL FEES ENCLOSED = \$36.00  Amount to be Refunded \$  Refunded \$  Charged \$  a. A check in the amount of \$-0- to cover the above fees is enclosed. b. Please charge my Deposit Account No. 16-0605 in the amount of \$36.00 to cover the above fees. A duplicate copy of this sheet is enclosed. c. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-0605.  Note: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO: Charles B. Elderkin S. SEND ALL CORRESPON  |  |   |   |                           | \$ 36.00                                 |   |  |  |  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$  TOTAL FEES ENCLOSED = \$36.00  Amount to be Refunded \$  Refunded \$  Charged \$  A check in the amount of \$-0- to cover the above fees is enclosed.  A duplicate copy of this sheet is enclosed.  C. A duplicate copy of this sheet is enclosed.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-0605.  Note: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO: Charles B. Elderkin B. Elderki  | Processing fee of \$130.00 f   | for furnishing the Eng  | glish translation later                 | than 20 30                | <br>  e                                  |   |  |  |  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$  TOTAL FEES ENCLOSED = \$36.00  Amount to be Refunded \$ Charged \$  a.  | months from the earnest cra  | airiled priority date (3  |   | CIONAL FEE =              |  |   |  |  |  |
| by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  | Es Commendia a the analoged  | assignment (27 CED 1  | · · · · · · · · · · · · · · · · · · ·   |                           | \$ 30.00                                 |   |  |  |  |
| TOTAL FEES ENCLOSED = \$ 36.00  Amount to be Refunded \$ Charged \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  | by an appropriate cover sheet  | 2351gnment (37 CFR 1.   | 40.00 per property                      | +                         | s  |   |  |  |  |
| A check in the amount of \$ -0- to cover the above fees is enclosed.  b.   | by an appropriate cover sheet  | (57 011(5),20,5), 0   |   | OSED =                    | \$ 36.00                                 |   |  |  |  |
| a.   |  |   |   | •                         |  |   |  |  |  |
| a. A check in the amount of \$ -0- to cover the above fees is enclosed.  b. Please charge my Deposit Account No. 16-0605 in the amount of \$ 36.00 to cover the above fees.  A duplicate copy of this sheet is enclosed.  c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-0605.  Note: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO:  Charles B. Elderkin  SIGNATURE  REGISTRATION NUMBER 24,357  ALSTON & BIRD LLP  Bank of America Plaza  101 South Tryon Street, Suite 4000  Charlotte, NC 28280-4000  Tel Charlotte Office (704) 444-1100  Fax Charlotte Office (704) 444-1111   |  |   |   |                           |  |   |  |  |  |
| b. A duplicate copy of this sheet is enclosed. c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-0605.  Note: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO: Charles B. Elderkin  SIGNATURE  REGISTRATION NUMBER 24,357  ALSTON & BIRD LLP  Bank of America Plaza  101 South Tryon Street, Suite 4000  Charlotte, NC 28280-4000  Tel Charlotte Office (704) 444-1010  Fax Charlotte Office (704) 444-1111   | A shook  | in the amount of \$ -0-   | to cover the above fees                 | is enclosed               | Chargeo                                  |   |  |  |  |
| The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-0605.  Note: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO: Charles B. Elderkin  SIGNATURE REGISTRATION NUMBER 24,357  ALSTON & BIRD LLP Bank of America Plaza 101 South Tryon Street, Suite 4000 Charlotte, NC 28280-4000 Tel Charlotte Office (704) 444-11000 Fax Charlotte Office (704) 444-1111  | b. Please charge my Deposit Account No. 16-0605 in the amount of \$36.00 to cover the above fees.                                  |   |   |                           |  |   |  |  |  |
| restore the application to pending status.  SEND ALL CORRESPONDENCE TO: Charles B. Elderkin  SIGNATURE REGISTRATION NUMBER 24,357 ALSTON & BIRD LLP Bank of America Plaza 101 South Tryon Street, Suite 4000 Charlotte, NC 28280-4000 Tel Charlotte Office (704) 444-1000 Fax Charlotte Office (704) 444-1111  "Express Mail" Mailing Label Number EL 913134632 US Date of Deposit: January 29, 2002  I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to BOX PCT, Attn: DO/US (PTO) Commissioner for Patents, Washington, DC 20231.  Joyce D Smith  Joyce D Smith  | c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit |   |   |                           |  |   |  |  |  |
| Charles B. Elderkin  SIGNATURE  REGISTRATION NUMBER 24,357  ALSTON & BIRD LLP  Bank of America Plaza  101 South Tryon Street, Suite 4000  Charlotte, NC 28280-4000  Tel Charlotte Office (704) 444-1000  Fax Charlotte Office (704) 444-1111   |  |   |   |                           |  |   |  |  |  |
| Charles B. Elderkin  SIGNATURE  REGISTRATION NUMBER 24,357  ALSTON & BIRD LLP  Bank of America Plaza  101 South Tryon Street, Suite 4000  Charlotte, NC 28280-4000  Tel Charlotte Office (704) 444-1000  Fax Charlotte Office (704) 444-1111   | SEND ALL CORRESPON   | DENCE TO:   | ing Label Number EL 9131346             | 32 US                     |  |   |  |  |  |
| SIGNATURE REGISTRATION NUMBER 24,357 ALSTON & BIRD LLP Bank of America Plaza 101 South Tryon Street, Suite 4000 Charlotte, NC 28280-4000 Tel Charlotte Office (704) 444-1000 Fax Charlotte Office (704) 444-1111   | Charles B. Elderkin  | rh B. Eld   |   |                           |  |   |  |  |  |
| REGISTRATION NUMBER 24,357  ALSTON & BIRD LLP  Bank of America Plaza  101 South Tryon Street, Suite 4000  Charlotte, NC 28280-4000  Tel Charlotte Office (704) 444-1000  Fax Charlotte Office (704) 444-1111   |  |   | is paper or fee is being deposite       | ed with the United States |  |   |  |  |  |
| Bank of America Plaza 101 South Tryon Street, Suite 4000 Charlotte, NC 28280-4000 Tel Charlotte Office (704) 444-1000 Fax Charlotte Office (704) 444-1111  |  | ER 24,357   | ss Mail Post Office to Addresse         | e" service under 37 CFR   |  |   |  |  |  |
| 101 South Tryon Street, Suite 4000 Charlotte, NC 28280-4000 Tel Charlotte Office (704) 444-1000 Fax Charlotte Office (704) 444-1111  |  |   |   |                           |  |   |  |  |  |
| Fax Charlotte Office (704) 444-1111  |  |   | for Patents, Washington, DC 2           | 0231.                     |  |   |  |  |  |
| Fax Charlotte Office (704) 444-1111  |  |   | 1 ( Xamo                                | D. Bruth                  |  |   |  |  |  |
| Fax Charlotte Office (704) 444-1111  |  |   |   | Joyce D/Smith /           |  | _ |  |  |  |
|  |  |   |   |                           |  |   |  |  |  |
|  |  |   |   |                           |  |   |  |  |  |